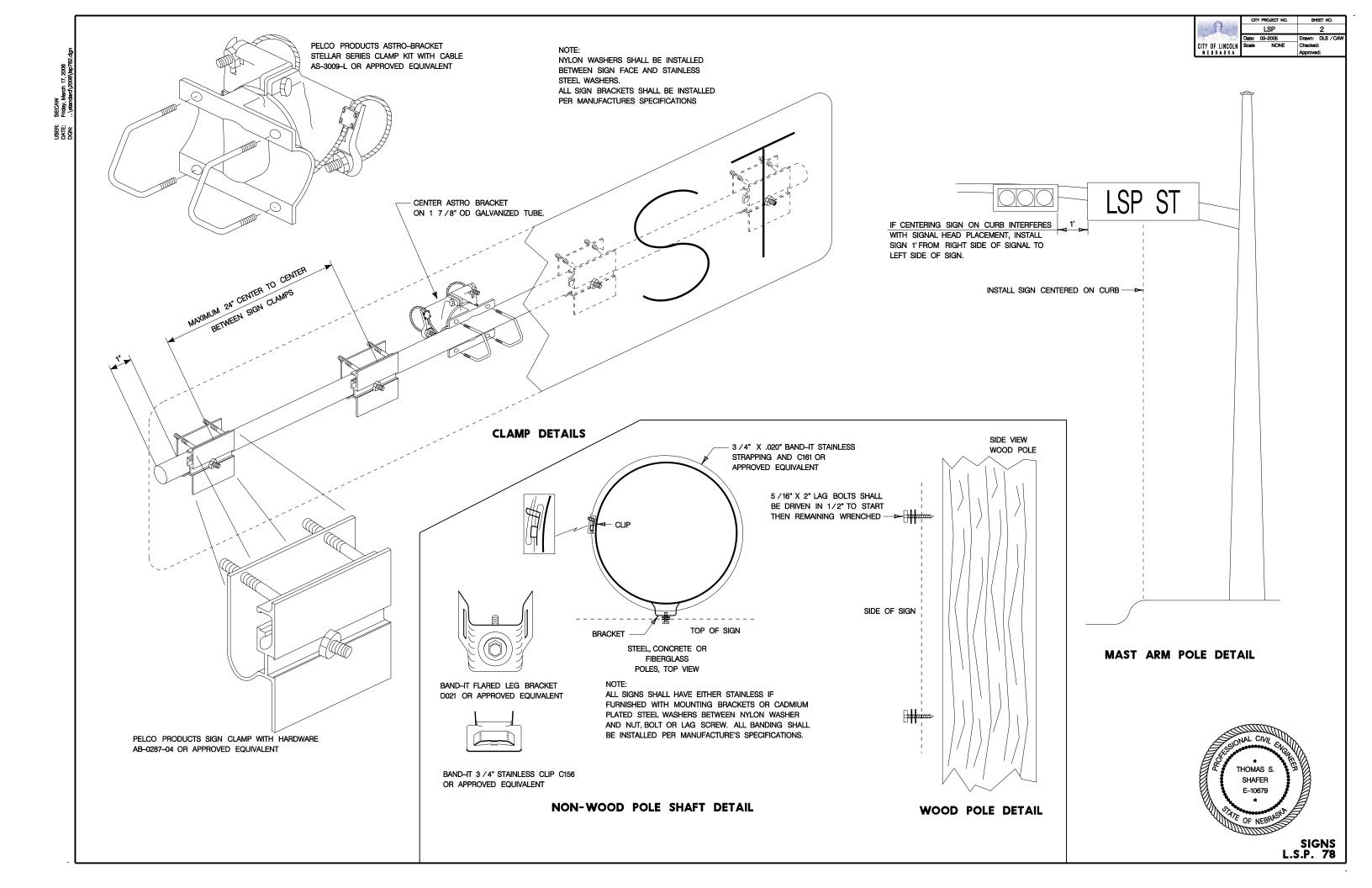
SIGNS L.S.P. 78

GROUND SLEEVE SHALL BE PLACED PLUMB WITH THE TOP OF SLEEVE 1/2" ABOVE SURFACE OF MEDIAN, CENTERED ON THE RADIUS AT THE END OF MEDIAN AND 6' BACK FROM TIP OF ISLAND. GROUND SLEEVE SHALL BE FREE OF DEBRIS OR CONCRETE. THE WEDGE SHALL BE POINTING TOWARDS MEDIAN NOSE. - STEEL CHANNEL POST THIS HOLE SHALL LINE UP 3 1/2" TO 4" BOLTS WITH WITH BOTTOM HOLE OF CHANNEL POST. NYLON LOCKING NUT'S AND STEEL WASHERS ON BOTH SIDES. GREEN PAINTED 2 1/2" POUNDS 2 1/4" OUTSIDE DIA. PER FOOT STEEL CHANNEL POST. HOLES SHALL BE 1" APART FULL LENGTH OF POST. POST SHALL BE 9'LONG GALVANIZED TAPCO ADAPTER GROUND SLEEVE MEDIAN PLACEMENT DETAIL 19-UCA-18 - 18" IN LENGTH GALVANIZED TAPCO WEDGE HIGH INTENSITY OR APPROVED EQUIVALENT REFLECTIVE MATERIAL SWI OR APPROVED EQUIVALENT SHALL BE INSTALLED WITH REMOVAL GALVANIZED TAPCO WEDGE HOLE JUST ABOVE THE .0 SWI OR APPROVED TOP OF ANCHOR EQUIVALENT SHALL BE INSTALLED WITH REMOVAL HOLE JUST ABOVE THE SAFE-HIT FLEXIBLE ADAPTER TOP OF ANCHOR SYSTEM/GUIDE POSTS SH348SMR-YA OR APPROVED EQUIVALENT INSTALL ADAPTER WITH TAPCO ANCHOR 19-VRI ANCHOR PART 19-VRI BREAKAWAY HOLES JUST 18" IN LENGTH OR ABOVE GROUND SLEEVE. 18" IN LENGTH BY TAPCO APPROVED EQUIVALENT OR APPROVED EQUIVALENT POST 0 ANTI TURN BOLT SHALL 3 /8" BOLT HOLE ALWAYS FACE TO THE BACK OF GROUND SLEEVE. ADAPTER WILL CONSIST OF 2 PIECES OF PIPE WELDED TOGETHER, WITH TOPS EVEN AS SHOWN. THE SHORTER PIECE WILL BE 2" IN LENGTH AND 1 7/8" OUTSIDE DIAMETER. BOTH PIECES OF PIPE SHALL BE WELDED TOGETHER ON BOTH SIDES. SAFE HIT FLEXIBLE POST SHALL BE SECURED TO ADAPTER USING A 3" X 5 /16" HEX HEAD BOLT GRADE 2 AND NYLON LOCKING NUT. TUBULAR MARKER DETAIL SHAFER KEEP RIGHT DETAIL



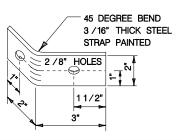
CHANNEL POST APPLICATIONS

9' POSTS, SHALL BE 2 1/2 LBS. PER FOOT. THESE POSTS SHALL BE USED ON ALL BREAK-AWAY LOCATIONS. WHERE SIGNS SUCH AS KEEP RIGHT, U-TURN PERMITTED AND LANE USAGE SIGNS ARE INSTALLED. (SEE BREAK-AWAY LSP)

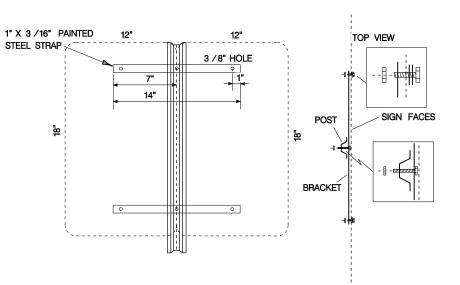
11' POSTS, SHALL BE 2 LBS. PER FOOT. SIGNS 18" X 24" OR SMALLER SHALL BE USED ON 11' POSTS. COMBIN-ATIONS OF SIGNS MAY BE USED. EXAMPLE TWO 12' X 18" SIGNS SIDE BY SIDE WITH ADDITIONAL SIGN BELOW SUCH AS A BUS STOP, OR SNOW ROUTE WITH NO PARKING. (SEE BELOW FOR GUIDANCE)

12' THRU 14' POSTS SHALL BE 3 LBS. PER FOOT AND MAY BE ORDERED UP TO BUT NOT EXCEEDING 14' IN LENGTH.

9' TO 12' POSTS SHALL BE INSTALLED 2.5' DEEP. 12' TO 14' POSTS SHALL BE INSTALLED 3' DEEP.



THIS BRACKET CAN BE USED WHEN ONE SIGN SUCH AS A NO PARKING WITH ARROW NEEDS TO BE INSTALLED AT A 45 DEGREE ANGLE BELOW OTHER SIGN THAT IS FACING TRAFFIC. 5 / 16" BOLTS SHALL BE USED FOR INSTALLATION. NO PART NUMBER MUST BE PRE APPROVED.



THESE BRACKETS CAN BE USED TO INSTALL NO PARKING SIZE SIGNS THAT HAVE OPPOSING ARROWS. THE BOLTS THAT HOLD THE BRACKETS TO THE POST SHALL BE BEHIND THE SIGNS AND SHALL BE 5 /16" X 2 1/2" TO 3" IN LENGTH DEPENDING ON SIZE OF POST. THE SIGNS SHALL BE BOLTED TO BRACKETS USING 5 / 16" X 1" BOLTS WITH NYLON WASHERS. THERE MAY ALSO BE AN ADDED SIGN BELOW THIS ASSEMBLY BUT NOT LARGER THAN THE ASSEMBLY.

NO PARKING SIGNS WILL ALWAYS BE ON THE TOP.

NOTE:

SIGNS OVER 4' IN WIDTH SHALL HAVE TWO CHANNEL POST OR A CHANNEL POST AND POLE COMBINATION (IF THE POLE IS IN THE CORRECT SIGN LOCATION) OR A SIGN BRACKET AS SHOWN FOR METRO STREET NAME SIGNS ON LSP 78, SHEET 6.



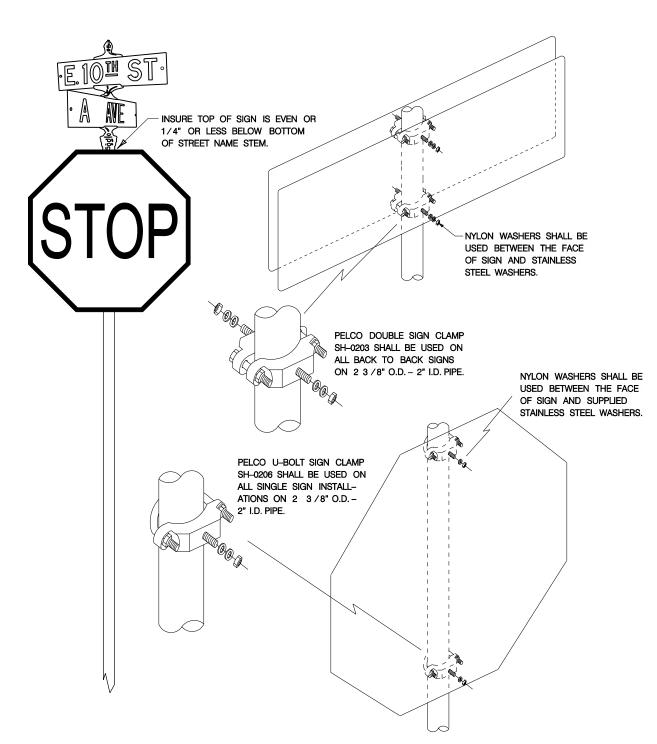


NO **PARKING** ANY TIME

> EXAMPLE: THIS COMBINATION OF SIGNS REQUIRES THE INSTALLATION OF A 14' POST.



SIGNS L.S.P. 78



SIGN BRACKETS

0	СП	Y PROJECT NO.	SHEET NO.				
Sept Code		LSP	4				
The second second	Date:	03-2005	Drawn: AFW / CAW				
CITY OF LINCOLN	Scale	NONE	Checked: Approved:				

SIGN PLATE CLIP NOTE: STAR HOLE PERMITS PLACING PLATE AT 0°, 45° or 90°

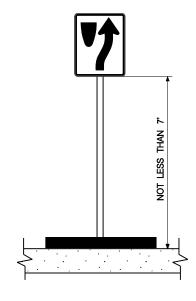
TIE ROD EXTENDS APPROXIMATELY 7 /8' INTO POST CAP AND IS WELDED SECURELY

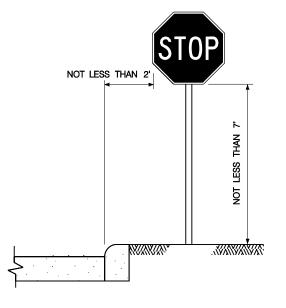
POST CAP

LOCK SCREWS

3 /8" X 5" LAG SCREWS

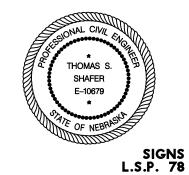
STREET NAME SIGN ARRANGEMENT TO WOOD POLE





SIGN ON NOSE OF MEDIAN

ROADSIDE SIGN



- 1. ARTERIAL SIZE STREET NAME SIGN FACES SHALL BE 9" IN WIDTH (HEIGHT) AND VARIABLE IN LENGTH FROM 30" TO 66" IN 6" INCREMENTS.
- 2. RESIDENTIAL SIZE STREET NAME SIGN FACES SHALL BE 6" IN WIDTH
- (HEIGHT) AND VARIABLE IN LENGTH FROM 24" TO 48" IN 6" INCREMENTS. 3. STREET NAME SIGN FACES SHALL HAVE WHITE LEGEND ON GREEN BACKGROUND WITHOUT ANY BORDER. SIGN FACES FOR PRIVATE ROADWAYS SHALL HAVE WHITE LEGEND ON BLUE BACKGROUND WITHOUT ANY BORDER.
- 4. SIGN FACE LEGENDS SHALL BE ALL UPPER CASE LETTERS AND NUMERALS WITH SPECIFIED IN THE STANDARD ALPHABETS FOR HIGHWAY SIGNS, FEDERAL HIGHWAY ADMINSTRATION, MOST RECENT EDITION.
- 5. THE PREFIX, PRIMARY NAME, AND SUFFIX OF LEGEND ON LOCAL SIZE SIGN FACES SHALL BE 4" UPPER CASE LETTERS OR NUMERALS EXCEPT FOR THE "ST" "ND", "RD", AND "TH" SUFFIX OF NUMBERED STREET NAMES WHICH SHALL BE 2" SERIES D UPPER CASE LETTERS, IN LINE WITH TOP OF NUMERALS.
- 6. THE PREFIX, PRIMARY NAME, AND SUFFIX OF LEGEND ON METRO SIZE SIGN FACES WITHOUT BLOCK NUMBERS SHALL BE 6" UPPER CASE LETTERS OR NUMERALS, EXCEPT FOR THE SUFFIX OF NUMBERED STREET NAMES "ST", "ND", "RD", AND "TH" WHICH SHALL BE 3" SERIES D UPPER CASE LETTERS, IN LINE WITH TOP OF NUMERALS.
- 7. THE PRIMARY NAME OF METRO SIZE SIGN FACES WITHOUT BLOCK NUMBERS SHALL BE 6" UPPER CASE LETTERS OR NUMERALS.
- 8. THE PREFIX OF LETTERED STREET NAMES WITH BLOCK NUMBERS SHALL BE 4" SERIES D LETTER IN LINE WITH BOTTOM OF PRIMARY NAME.
- 9. THE FIRST SUFFIX OF METRO SIZE SIGN FACES WITH BLOCK NUMBERS SHALL BE 2.5" SERIES D UPPER CASE LETTERS AND SHALL BE CENTERED ABOVE THE BLOCK NUMBER AND CARDINAL POINT LETTER.
- 10. THE BLOCK NUMBER AND CARDINAL POINT LETTER SUFFIX OR METRO SIZE SIGN FACES SHALL BE 3" SERIES B NUMERALS AND UPPER CASE LETTER. CARDINAL POINT LETTER SUFFIX SHALL BE IN LINE WITH BOTTOM OF NUMERALS.

MATERIALS & FABRICATION

- 1. STREET NAME SIGN FACES SHALL BE FABRICATED FROM #3870 WHITE, 3M SCOTCHLITE HIGH-INTENSITY GRADE PRESSURE SENSITIVE REFLECTIVE SHEETING AND #1177 GREEN 3M SCOTCHLITE ELECTRONIC CUTTABLE FILM OR APPROVED EQUIVALENT. 2. LEGEND SHALL BE CUT IN ELECTRONIC CUTTABLE FILM, AND FILM TRANSFERRED TO REFLECTIVE SHEETING IN ACCORDANCE WITH MATERIAL MANUFACTURER'S RECOMMENED PROCEDURES.
- 3. COMPLETE SIGN FACE WITH ELECTRONIC CUTTABLE FILM APPLIED TO REFLECTIVE SHEETING SHALL BE REPOLLED THROUGH THE LAMINATOR AFTER REMOVAL OF THE TRANSFER TAPE TO INSURE GOOD ADHESION.

RESIDENTIAL STREET NAMES

LOCAL STREET NAME SIGNS WILL BE 4" LETTERS AND NUMERALS ON A 6" BLADE OF A LENGTH NECESSARY TO ACCOMMODATE THE LEGEND. LETTER SERIES OF LEGEND MAY BE SERIES B, C, OR D AS NECESSARY TO FIT A 24" MINIMUM, 48" MAXIMUM SIGN LENGTH WITH SERIES C AS THE PREFERRED DESIGN STANDARD ON ALL 6" LOCAL SIGNS. SERIES B WILL BE ALLOWED ONLY WHEN 15 OR MORE CHARACTERS ARE NEEDED. THE NECESSARY SIGN LENGTH CAN BE DERIVED IN DETAIL FROM THE FHWA STANDARD ALPHABETS FOR HIGHWAY SIGNS LETTER, NUMERAL AND SPACE TABLES, OR DETERMINED FROM APPLICATION OF A COMPUTER PROGRAM BASED ON THE SAME DATA. THE FOLLOWING MATRIX TABLES HAVE BEEN DEVELOPED TO PROVIDE A QUICK, APPROXIMATE METHOD TO DETERMINE THE LENGTH OF LOCAL, 6" STREET NAME SIGNS BASED ON THE NUMBER OF CHARACTERS AND WORD SPACES IN THE LEGEND. THE TOTAL NUMBER OF CHARACTERS IN THE LEGEND SHALL BE ADJUSTED WHEN USING THE MATRIX TABLES TO ALLOW FOR CERTAIN NARROW OR WIDE LETTERS OR ADDED LENGTH FOR ARROW SYMBOL AND SPACE SEVERAL LEGEND DESIGNS HAVE UNIQUE STANDARDS. ALPHABETIZED STREET NAMES (EX. "A" STREET) HAVE THE WORD STREET SPELLED OUT WITHOUT ABBREVIATION IN SERIES C LETTERS WITH THE SINGLE AIPHABET CHARACTER NAME (EX. "A") IN SERIES E. NUMERICAL STREET NAMES ARE SERIES D WITH NUMBER SUFFIX ST, ND, RD AND TH IN 2" LETTER SIZE.

N - NORTH	AV - AVENUE	PKWY – PARKWAY
S - SOUTH	BLVD - BOULEVARD	PL - PLACE
E - EAST	CIR - CIRCLE	RD - ROAD
W - WEST	CT - COURT	RDWY - ROADWAY
	DR - DRIVE	ST - STREET
	HWY - HIGHWAY	TER - TERRACE
	LN - LANE	TR - TRAIL

"THERE SHALL BE NO VARIATIONS ON ABBREVIATIONS" "STREET" IS SPELLED OUT, ON ALPHABETICAL STREET'S

		_
6" RESIDENTIAL SIGN	FOR CHARACTER TOTAL	"?" INDICATES
9" ARTERIAL SIGN	EACH LETTER "I": SUBTRACT 1/2 LETTER	LENGTHS
MATRIX TABLE "GUIDE"	EACH LETTER "W": ADD 1/2 LETTER	THAT COULD GO
	ARROW: ADD 2 1/2 LETTERS	SHORTER OR LONGER

									_				
SIGN LENGTH	TWO	TWO WORD / ONE SPACE NAME					THREE WORD / ONE SPACE NAME						
	SERIES					SERIES							
NUMBER OF CHARACTERS	6" B	9" B	6" C	9" C	6" D	9" D	6" B	9" B	6" C	9" C	6" D	9" D	
≤5	_	<u> </u>	_	<u> </u>	24"	30"	_	-	_	 	_	Ī	
6	_	30"	24"	36"	30"	42"		<u> </u>		<u> </u>		_	
7		-	30"	42"		48"	—	36"	30"	42"	_	48"	
8	_	36"	30"	42"		54"		36"	36"	42"		48"	
9	_	42"	36"	48"		54"	_	42"	36"	54"	_	60"	
10	_	48"	36"	54"		66"?	_	48"	42"	54"	_	66"	
11	_	48"	42"	60"		-		48"	42"	60"		66"	
12		48"?	42"	60"				54"	48"	60-66"	-		
13		54"	48"	66"	_	-		54"	48"	60-66"	—	-	
14	42"	54"	48"	66"		_		60"	48"	66"?		_	
15	42"		_	—	_		48"	60"		—		-	
16	48"	l —				_	48"	66"		—		_	

ALL RESIDENTIAL STREETS SHALL HAVE 6" BLADES. ALL RESIDENTIAL STREETS WHERE THEY MEET AN ARTERIAL STREET SHALL HAVE, 6" BLADES FOR THE ARTERIAL STREET AND 9" BLADES FOR THE RESIDENTIAL STREET. ALL SIGNS SHALL BE BACK TO BACK, AND BOLTED TOGETHER WITH #20 1/4 " X 1/2" STAINLESS STEEL CAP SCREWS AND NYLON LOCKNUTS. THEY SHALL BE INSTADDED USING THE LYLE #450 STREET NAME ASSEMBLY HARDWARE. SEE LSP 78, SHEETS 3 & 4 FOR MORE INSTALLATION INFORMATION. ALL SIGNALIZED INTERSECTIONS WILL USE 18" PLATES. SEE LSP 78, SHEET 2 FOR MORE INSTALLATION INFORMATSION, "THESE SIGNS WILL BE REFERED TO AS METRO SIZE SIGNS". ALL COMPLETED SIGNS SHALL USE NEW ALUMINUM, DIE CUT OR EQUAL, MEETING A.S.T.M. SPECIFICATION B208, ALLOY 5052-H38 OF THE GAUGE SPECIFIED ON THE ORDER OF COMPLETED SIGNS.

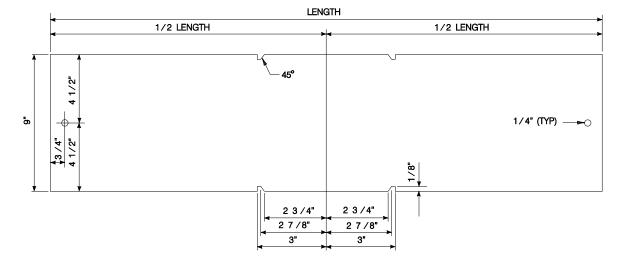
ALUMINUM THICKNESS

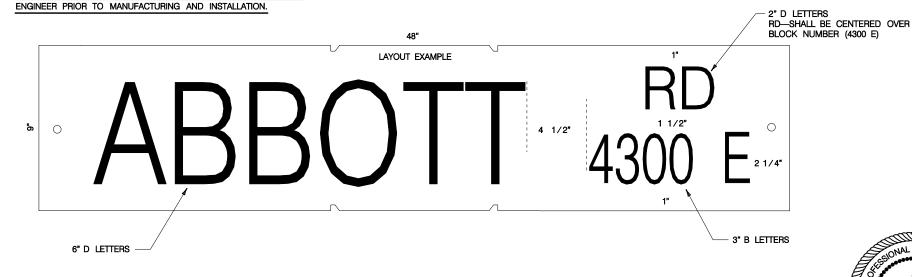
6" BLADES FROM 24" TO 42" SHALL BE .063 IN THICKNESS 6" X 48" BLADES SHALL BE .08 IN THICKNESS

9" BLADES FROM 30" TO 66" SHALL BE .08 IN THICKNESS 18" SIGN PLATES FROM 60" TO 120" SHALL BE .125 IN THICKNESS

ALL STREET NAME LAYOUTS SHALL BE APPROVED BY CITY TRAFFIC

LENGTH 1/2 LENGTH 1/2 LENGTH 1/4" (TYP) —► 2 3 / 4" 2 3 / 4" 2 7 / 8" 27/8"





CENTER WORDS ON PLATE VERTICAL AND HORIZONTAL

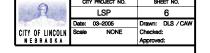
SIGNS L.S.P. 78

SHAFER

LSP

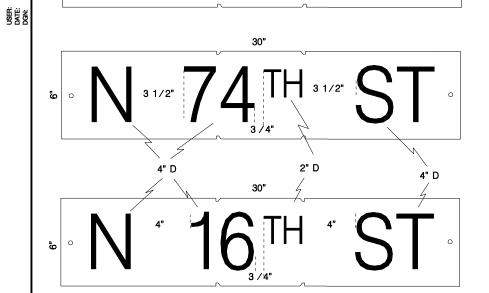
CITY OF LINCOLD







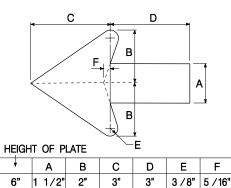
102"



CENTENNIAL

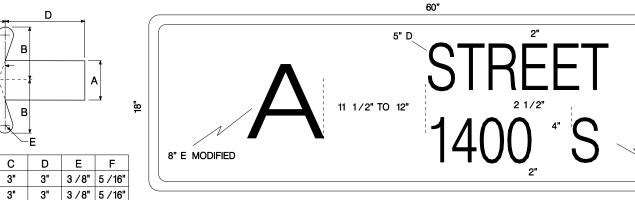






18" | 2 1/4" | 3" | 4 1/2" | 4 1/2" | 7 /16" | 3 /8"

9" 1 1/2" 2"



ALL STREET NAME LAYOUTS SHALL BE APPROVED BY CITY TRAFFIC ENGINEER PRIOR TO MANUFACTURING AND INSTALLATION.

STANDARD LETTER SPACING SHALL BE USED ON ALL SIGNS.

CENTER WORDS ON PLATES, VERTICAL AND HORIZONTAL.

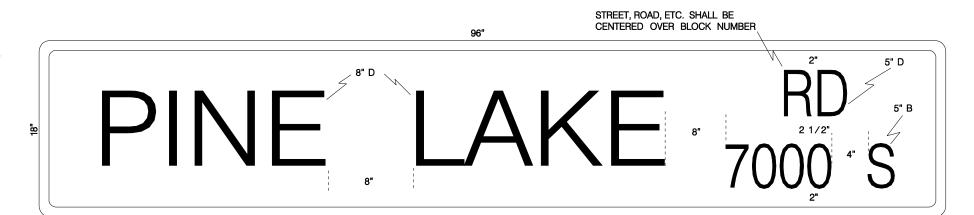
REFER TO LSP 78 PAGES 2, 3 & 4 FOR INSTALLATION HARDWARE AND GUIDANCE.

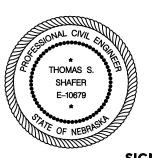
ALL RADIUS CORNERS ON 18" PLATES SHALL BE 2 1/2"

ARROWS ON 6" & 9" PLATES SHALL BE 6" IN LENGTH AND 4" IN HEIGHT

ARROWS ON 18" PLATES SHALL BE 9" IN LENGTH AND 6" IN HEIGHT

BORDERS ON ALL 18" PLATES SHALL BE 3 / 4"





THIS STYLE OF SIGN SHALL BE USED FOR ALPHABETIZED STREETS ONLY.

SIGNS L.S.P. 78